

## 4.1 Classifying Triangles

A triangle is a figure formed by 3 segments joining 3 noncollinear points



An equilateral triangle has 3 congruent sides.



An isosceles triangle has at least 2 congruent sides.



A scalene triangle has 0 congruent sides.



p173 Answer the checkpoint questions on page 173.

1. isosceles

2. equilateral

3. scalene

An equiangular triangle has 3 = angles



An acute triangle has 3 acute angles

A right triangle has 1 right angle

An obtuse triangle has 1 obtuse angle

Answer the checkpoint questions on page 174.

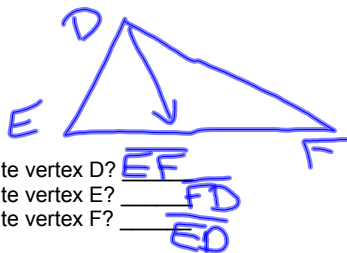
4. isosceles + acute

5. scalene + acute

6. isosceles obtuse

A vertex of a triangle is a point that joins 2 sides

Draw  $\triangle DEF$ .



What side is opposite vertex D? EF

What side is opposite vertex E? FD

What side is opposite vertex F? ED

Assignment: pgs. 175-178 #s 2-29, 42, 48, 49, 55